

Application No. 10/581,095
Amendment dated December 13, 2007
Reply to Office Action of November 23, 2007

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Docket No.: 3953-001USPCT

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AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of the claims:

Claims 1 - 7 (Cancelled)

8. (Currently amended) A portable, pedal driven propeller and drive shaft apparatus for use in a watercraft having gunwales, comprising:

(a) a substantially quadrilateral frame adapted to be releasably mounted on the gunwales of said watercraft simply placed across the gunwales of the canoe without needing clamps, bolts or other devices to secure it in place;

(b) operator seat means mounted on said quadrilateral frame;

(c) pedal crank means mounted forwardly of, and depending from, said quadrilateral frame and operable by an operator sitting on said seat means;

(d) pulley means pivotally mounted on said quadrilateral frame so as to lie to one side of the operator seat means and forward thereof when in operative position;

(e) means to transmit motive power generated by said pedal crank means to said pulley means, said means to transmit motive power comprising drive means, a transverse drive shaft and flexible cable-drive means, said drive means being operatively connected to said pedal crank means and to a first end of the transverse drive shaft, and said flexible cable-drive means being operatively connected at a first end thereof to a second end of said transverse drive shaft, and, at a second end thereof, to said pulley means; and

(f) longitudinal drive shaft means comprising a longitudinal shaft operatively connected at a first end thereof to said pulley means and, at a second end thereof, to propeller means backward of the operator seat means toward the back end of the watercraft;

said pulley means and longitudinal drive shaft means being adapted to be pivoted, when mounted on said watercraft, about a horizontal transverse axis so as to raise said propeller means to an inoperable position wherein said longitudinal drive shaft means is substantially parallel to said gunwales, and lower said propeller means to an

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operative position wherein said longitudinal drive shaft means is at an acute angle relative to said gunwales; ~~and wherein said pulley means and said longitudinal drive shaft means are mounted to and supported by a frame secured to and rotatable about a round tube portion of said quadrilateral frame.~~

9. (Cancelled)

10. (Currently amended) The apparatus according to claim ~~8~~22, wherein said frame comprises a square tube having internal dimensions slightly greater than outer dimensions of said round tube portion, said square tube being slidable with said round tube portion, and detachably secured thereto by removable pins positioned immediately adjacent said frame on ~~inboard and~~ an outboard ~~sides~~ side thereof.

11. (Previously presented) The apparatus according to claim 8, wherein said pulley means is mounted on said quadrilateral frame so as to lie outboard of one of said gunwales when in the operative position.

12. (Previously presented) The apparatus according to claim 8, wherein said transverse drive shaft is rotatably mounted in transverse tube means mounted on said quadrilateral frame.

13. (Previously presented) The apparatus according to claim 12, wherein said transverse tube means comprises a spring-loaded pin mounted thereon and in alignment with a corresponding hole formed therein, the pin being of sufficient dimensions to engage with a locking recess formed in an input end housing of the flexible cable-drive means and limiting translational and rotational movement thereof upon rotation of said transverse drive shaft.

14. (Previously presented) The apparatus according to claim 8, wherein said pulley means comprises a first pulley operably connected to the second end of said flexible cable-drive means, a second pulley operably connected to the first end of said longitudinal shaft, and an endless drive belt for transmission of power from said first pulley to said second pulley.

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Claims 15 - 21 (Cancelled)

22. (New) The apparatus according to claim 8, wherein said pulley means and said longitudinal drive shaft means are mounted to and supported by a frame secured to and rotatable about a round tube portion of said quadrilateral frame.